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10th Grade Science

**Inquiry: Science & Society**

**“What is the role of science in addressing issues that affect society?”**

In this inquiry, you will be investigating the role of science in our society by researching an issue/problem of importance to society. At the completion of this inquiry, you should be able to use proper scientific terminology to describe the specific role of science and technology in your assigned societal issue/problem. You will demonstrate what you have learned by creating and delivering a presentation based on your research to the class.

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|  | In Class | At Home | 🗸 |
| Day 1 | 1. Work in group to brainstorm a list of issues/problems that impact society  2. KWL to discuss one example using the guiding questions. Work in group to find one interesting resource related to example (using EBSCO explora).  EXIT CARD: How did you feel about the “new” Ebsco layout? Do you have any questions about how it is used? | 1. Select one of the issues/problems  2. Complete KW portion of KWL referring to guiding questions (below). |  |
| Day 2 | 1. use EBSCO to investigate the role of science in the assigned issue (be sure to record the sources you are using)  2. complete the L portion of the KWL using proper scientific terminology  3. expand upon the original KW and include additional information as needed  EXIT CARD: Do you think using the KWL chart was helpful in planning and conducting your research? | 1. Complete any remaining research. |  |
| Day 3 | 1. Create Google Slide presentation in the shared 10th grade Science Folder (link on wiki) saved as “**NAME\_Science&Society**”.  EXIT CARD: Do you feel prepared to present tomorrow? What can you do to feel more prepared? | 1. Complete your presentation, proofread and practice. |  |
| Day 4 | 1. Deliver presentations to the class in a professional manner, using proper scientific terminology.  2. Actively participate as the audience when your peers are presenting.  EXIT CARD: What was one new thing you learned today? |  |  |

Guiding Questions:

1. What is the issue/problem you have selected? Describe what it is and how it affects society. This will help you think about the different ways science/technology might play a role.

2. What are the possible difficulties associated with solving or improving this issue/problem? How do THINK science might lessen these problems?

3. How important do you THINK the science is for this task? Can you imagine what problem would be like in the absence of all science and technology? What might this have looked like 100 or more years ago?

4. What controversy or disagreement surrounds the science solutions to your issue? What is the root of these controversies?

Research Instructions:

Keeping your answers to the guiding questions in mind, you should begin to research the role of science in your selected issue/problem. You should use the internet, but you may want to get creative in how you find information. We will be using EBSCO Explora to find science resources, do not rely on Google or Wikipedia!

Presentation Instructions:

Students must create a presentation using Google Slides. All presentations must be created and saved as “**NAME\_Science&Society**” in the shared 10th grade Science Folder (link on wiki). Presentations should include a minimum of 6 information slides, each slide with text and a visual plus a title slide and a references slide (8 slides all together). All photos/videos must be given credit. All resources must be cited. The presentation delivery should be between 5 and 8 mins. You should refer to the presentation rubric for guidance.